

AMENDMENTS TO THE CLAIMS

Please cancel claims 7-8, 10, 12-17, 24-25, 27-29, 31-33, 40-42, 44, 47-51, 57, and 60-61.

Please amend claims 4-6, 9, 26, 38, 43 and 46 as follows.

Please add new claims 65-73 as follows.

1. (original) An on-line healthcare system by using a domestic medical device, the on-line healthcare system comprising:

 a portable measurement unit for performing a biological measurement for diagnosing a user's health and converting measured data so as to generate biological measurement information data and/or measurement information data including the biological measurement data; and

 a cradle connected to the portable measurement unit so as to automatically transmit/receive the measurement information data to/from the portable measurement unit by means of a program stored therein.

2. (original) The on-line healthcare system as claimed in claim 1, further comprising a server connected to a communication network and including a database for storing measurement information data, the measurement information data being classified by collecting and analyzing the measurement information data transferred from the cradle.

3. (original) The on-line healthcare system as claimed in claim 2, further comprising an emergency server having an emergency address capable of providing highly-reliable communication if an analysis of the biological measurement data results in an emergency situation.

4. (currently amended) The on-line healthcare system as claimed in claim 2 or 3, further comprising a medical center allowing a medical specialist to transfer diagnosis information about the measurement information data to the server or the emergency server by using the measurement information data received from the server or the emergency server.

5. (currently amended) The on-line healthcare system as claimed in claim 2 or 3, wherein the cradle automatically transmits or receives the measurement information data and the diagnosis information to or from the server by a predetermined time interval.

6. (currently amended) The on-line healthcare system as claimed in claim 2 or 3, wherein the cradle automatically transmits or receives the measurement information data and the diagnosis information to or from the server immediately after the portable measurement unit is coupled with the cradle.

7-8. (canceled)

9. (currently amended) The on-line healthcare system as claimed in claim 2 or 3, wherein the cradle makes communication with the server or the emergency server by using dual tone multi-frequency (DTMF).

10. (canceled)

11. (original) The on-line healthcare system as claimed in claim 1, wherein the measurement information data includes at least a part or all of the biological measurement data, a measurement time of the biological measurement data, an ID of the portable measurement unit, and an ID of a user.

12-17. (canceled)

18. (original) The on-line healthcare system as claimed in claim 1, wherein the cradle includes a second connection unit connected to the portable measurement unit or the server and/or a second central processing unit for processing, analyzing, or storing data.

19. (original) The on-line healthcare system as claimed in claim 18, wherein the connection unit includes a second communication module for transmitting/receiving information using a second communication port of the cradle or the second communication port and wired/wireless communication.

20. (original) The on-line healthcare system as claimed in claim 18, wherein the data includes at least one selected from the group consisting of the measurement information data, environment data, indication data for indicating whether or not new data exist, range indication data for indicating a range of the new data, and error data.

21. (original) The on-line healthcare system as claimed in claim 20, wherein the environment data includes an address of the server and time for transferring the measurement

information data.

22. (original) The on-line healthcare system as claimed in claim 21, wherein the environment data further includes an emergency address of the server or an address of an emergency server for transferring the measurement information data if an analysis result of the biological measurement data measured by the portable measurement unit determines that an emergency occurs.

23. (original) The on-line healthcare system as claimed in claim 20, wherein the environment data is remotely established and modified through information transferred from the server.

24-25. (canceled)

26. (currently amended) The on-line healthcare system as claimed in claim 13 or 19, wherein the first communication port and the second communication port have concavo-convex electrodes attached thereto, so that the portable measurement unit is coupled with the cradle.

27-29. (canceled)

30. (original) The on-line healthcare system as claimed in claim 1, wherein the measurement information data temporarily stored in the portable measurement unit are delivered to the cradle when the portable measurement unit is coupled with the cradle.

31-33. (canceled)

34. (original) An on-line healthcare method by using a domestic medical device including a portable measurement unit having a measurement part, a signal processing part, and a first communication module of the portable measurement unit, and a cradle having a program included therein and a second communication port of the cradle, the on-line healthcare method comprising the steps of:

- (a) allowing the cradle to perform biological measurement for diagnosing health of a user;
- (b) allowing the signal processing module to convert a result of the biological measurement into biological measurement data;
- (c) determining whether or not an emergency occurs according to an analysis result of

the biological measurement data measured by the portable measurement unit;

(d) transferring the measurement information data including a part of the biological measurement data to the cradle by using the second communication module of the cradle, the first communication module of the portable measurement unit, and the program included in the cradle, the cradle being automatically operated when the portable measurement unit makes contact with the cradle, if step (c) determines that no emergency occurs; and

(e) transferring the measurement information data received by the cradle to the server by using the program included in the cradle and the second communication module of the cradle.

35. (original) The on-line healthcare method as claimed in claim 34, further comprising the step of (f) transferring the measurement information data received by the server to a medical center or a communication terminal.

36. (original) The on-line healthcare method as claimed in claim 34, further comprising the steps of:

(d1) transferring an emergency signal to the cradle by wireless method by using the first communication module of the portable measurement unit, the second communication module of the cradle, the program stored in the cradle, the cradle being automatically operated when the portable measurement unit is contacted with the cradle, if step (c) determines that an emergency occurs; and

(d2) transferring the emergency signal received by the cradle to the server or an emergency server through the second communication module of the cradle.

37. (original) The on-line healthcare method as claimed in claim 34, further comprising the step of (d3) wirelessly transferring an emergency signal to the server or an emergency server through the first communication module of the portable measurement unit if step (c) determines that an emergency occurs.

38. (currently amended) The on-line healthcare method as claimed in claim 36 or 37, further comprising the step of (d4) transferring the emergency signal received by the server or the emergency server to a medical center or a communication terminal.

39. (original) The on-line healthcare method as claimed in claim 38, further comprising the steps of:

(g1) allowing the medical center to transfer diagnosis information to the server or the emergency server; and

(g2) transferring the diagnosis information received by the server or the emergency server to the portable measurement unit.

40-42. (canceled)

43. (currently amended) The on-line healthcare method as claimed in claim 36 ~~or 37~~, wherein the emergency signal is automatically transmitted by confirming a position of the portable measurement unit through a caller identification if the portable measurement unit or the cradle tries to perform call-connection to an emergency address of the server or an address of the emergency server.

44. (canceled)

45. (original) The on-line healthcare method as claimed in claim 34, further comprising the steps of:

- (g) allowing the medical center to transmit diagnosis information to the server or the emergency server;
- (h) transferring the diagnosis information received by the server or the emergency server to the cradle; and
- (i) transferring the diagnosis information received by the cradle to the portable measurement unit.

46. (currently amended) The on-line healthcare method as claimed in ~~any one of claims 36, 37, or 45~~ claim 36, wherein the cradle makes communication with the server or the emergency server on a basis of dual tone multi-frequency (DTMF).

47-51. (cancelled)

52. (original) The on-line healthcare method as claimed in claim 34, wherein the cradle includes a second connection unit connected to the portable measurement unit or the server and/or a second central processing unit for processing, analyzing, or storing data.

53. (original) The on-line healthcare method as claimed in claim 52, wherein the data includes at least one selected from the group consisting of the measurement information data, environment data, indication data for indicating whether or not new data exist, range indication data for indicating a range of the new data, and error data.

54. (original) The on-line healthcare method as claimed in claim 53, wherein the environment data includes a general address of the server and time for transferring the measurement information data.

55. (original) The on-line healthcare method as claimed in claim 54, wherein the environment data further includes an emergency address of the server or an address of an emergency server for transferring the measurement information data if an analysis result of the biological measurement data measured by the portable measurement unit determines that an emergency occurs.

56. (original) The on-line healthcare method as claimed in claim 53, wherein the environment data can be remotely established and modified through information transferred from the server.

57. (cancelled)

58. (original) The on-line healthcare method as claimed in claim 34, wherein the measurement information data temporarily stored in the portable measurement unit are delivered to the cradle when the portable measurement unit is coupled with the cradle.

59. (original) The on-line healthcare method as claimed in claim 34, wherein when the portable measurement unit is coupled with the cradle, the program included in the cradle includes a program of automatically transmitting/receiving the measurement information data and a program of automatically trying connection of the server and the cradle at time predetermined by the program included in the cradle or right after the portable measurement unit is contacted with the cradle.

60-61. (canceled)

62. (original) An on-line healthcare method by using a domestic medical device including a portable measurement unit having a measurement part, a signal processing part and a first communication module of the portable measurement unit, and a cradle having a program included therein and a second communication port of the cradle, the on-line healthcare method comprising the steps of:

(a) allowing the cradle to perform biological measurement for diagnosing health of a

user;

- (b) allowing the signal processing module to convert a result of the biological measurement into biological measurement data;
- (c) transferring the measurement information data including a portion of the biological measurement data to the cradle by using the first communication module of the portable measurement unit, the second communication module of the cradle, and the program included in the cradle, the cradle being automatically operated when the portable measuring unit is contacted with the cradle; and
- (d) transferring the measurement information data received by the cradle to the server by using the program included in the cradle and the second communication module of the cradle.

63. (original) The on-line healthcare method as claimed in claim 62, further comprising a step of (e) transferring the measurement information data received by the server to a medical center or a communication terminal.

64. (original) The on-line healthcare method as claimed in claim 63, further comprising the steps of:

- (f) allowing the medical center to transmit diagnosis information to the server;
- (g) transferring the diagnosis information to the cradle; and
- (h) transferring the diagnosis information received by the mounting server to the portable measurement unit.

65. (new) The on-line healthcare system as claimed in claim 3, further comprising a medical center allowing a medical specialist to transfer diagnosis information about the measurement information data to the server or the emergency server by using the measurement information data received from the server or the emergency server.

66. (new) The on-line healthcare system as claimed in claim 3, wherein the cradle automatically transmits or receives the measurement information data and the diagnosis information to or from the server by a predetermined time interval.

67. (new) The on-line healthcare system as claimed in claim 3, wherein the cradle automatically transmits or receives the measurement information data and the diagnosis information to or from the server immediately after the portable measurement unit is coupled

with the cradle.

68. (new) The on-line healthcare system as claimed in claim 3, wherein the cradle makes communication with the server or the emergency server by using dual tone multi-frequency (DTMF).

69. (new) The on-line healthcare system as claimed in claim 19, wherein the first communication port and the second communication port have concavo-convex electrodes attached thereto, so that the portable measurement unit is coupled with the cradle.

70. (new) The on-line healthcare method as claimed in claim 37, further comprising the step of (d4) transferring the emergency signal received by the server or the emergency server to a medical center or a communication terminal.

71. (new) The on-line healthcare method as claimed in claim 37, wherein the emergency signal is automatically transmitted by confirming a position of the portable measurement unit through a caller identification if the portable measurement unit or the cradle tries to perform call-connection to an emergency address of the server or an address of the emergency server.

72. (new) The on-line healthcare method as claimed in claim 37, wherein the cradle makes communication with the server or the emergency server on a basis of dual tone multi-frequency (DTMF).

73. (new) The on-line healthcare method as claimed in claim 45, wherein the cradle makes communication with the server or the emergency server on a basis of dual tone multi-frequency (DTMF).